OOMA A-Sheets and Inspection Record for PDA
(Proof of Concept)

NALCOMIS OOMA (Naval Logistics Command Management Information System) is a system that manages flight, maintenance, and aircraft/engine configuration data. The OOMA A-Sheets application is a mobile computing extension for NALCOMIS which provides electronic A-Sheets and daily/turnaround inspection checklists, in order to record maintenance data for aircraft in the field.
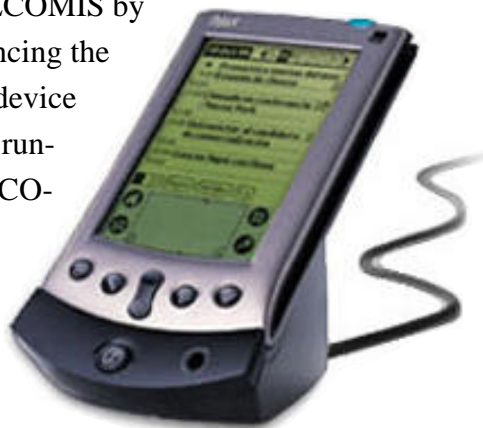
Currently, when a daily or turnaround inspection takes place, the inspector uses a paper form called an Aircraft Inspection and Acceptance Record, or A-Sheet. The data written on the A-Sheet must later be manually entered into NALCOMIS.

The OOMA A-Sheets PDA application simplifies this process at the field level by providing an electronic checklist that an inspector can fill out during the inspection, then upload directly to NALCOMIS.

1 Preliminary data—including such things as the aircraft make and model—are downloaded from NALCOMIS by simply syncing the handheld device with a PC running NALCOMIS.

2 In the field, the inspector quickly enters or checks off necessary items on the handheld device while performing the inspection.

The inspector can enter information such as the date of inspection, fuel type and quantity for the aircraft, and quarts of oil added.

3 When the inspection is completed, the responsible authorities—including the plane captain, maintenance control personnel, and the aircraft pilot—can sign-off on the inspection electronically. The inspector then simply performs a quick syncing operation to instantly upload all the inspection data to NALCOMIS. The data never has to be entered twice. Simplicity, efficiency, mobility.